

Digestive System Quiz PDF

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Which of the following nutrients are absorbed in the small intestine? (Select all that apply)

- Proteins
- Carbohydrates
- Fats
- Vitamins

Which enzymes are involved in protein digestion? (Select all that apply)

- Pepsin
- Amylase
- Trypsin
- Lipase

Which hormone stimulates the release of gastric acid in the stomach?

- Insulin
- Gastrin
- Secretin
- Cholecystokinin

Which part of the digestive system is responsible for the initial mechanical digestion of food?

- Stomach
- Mouth
- Small Intestine
- Esophagus

Which of the following are functions of the liver in digestion? (Select all that apply)

- Producing bile
- Storing glycogen

- Producing insulin
- Detoxifying blood

What enzyme in saliva begins the digestion of carbohydrates?

- Pepsin
- Lipase
- Amylase
- Trypsin

Which organ is primarily responsible for nutrient absorption?

- Stomach
- Small Intestine
- Large Intestine
- Esophagus

What is the main role of bile in digestion?

- Break down proteins
- Neutralize stomach acid
- Emulsify fats
- Absorb carbohydrates

Explain the role of the pancreas in digestion.

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Describe how the enteric nervous system regulates digestive processes.

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How does the body regulate the pH levels in the stomach and small intestine?

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Which processes are involved in mechanical digestion? (Select all that apply)

- Chewing
- Peristalsis
- Enzyme secretion
- Churning in the stomach

Discuss the importance of fiber in the digestive system.

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What are the differences between chemical and mechanical digestion? Provide examples of each.

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What condition is characterized by the backward flow of stomach acid into the esophagus?

- Ulcer
- GERD
- IBS
- Crohn's Disease

Explain the evolutionary adaptations of the digestive system in herbivores compared to carnivores.

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Which of the following is not an accessory organ of the digestive system?

- Liver

- Pancreas
- Kidneys
- Gallbladder

What is the primary function of the large intestine?

- Protein digestion
- Absorption of water
- Fat emulsification
- Carbohydrate breakdown

What are the components of gastric juice? (Select all that apply)

- Hydrochloric acid
- Bile
- Pepsin
- Mucin

Which of the following are symptoms of irritable bowel syndrome (IBS)? (Select all that apply)

- Abdominal pain
- Constipation
- Diarrhea
- High fever